

17Aug11 10:40

## S A L E S A C K N O W L E D G M E N T

No: PEC ST-360251

Sold By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 9057389033

Sold To: ( 20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Ship To: ( 1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS

Ord 17Aug11 Due19Aug11

Frt PREPAID

Via O/T

FOB CONCORD

Con 96294

PO/Rel 14690

Slp STAN IVERS (905-532-1350)

Tel 613-632-9577 Fax 613-632-1053

## S A L E S A C K N O W L E D G M E N T

SO No PEC ST-360251

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM FLT BAR ECONOPLT 6061-T6511	2 PCS	170 LBS
.500" X 12.00" X 144.5000"		24 ' 1.0000 "
MATERIAL	24 ' 1.0000 " @	15.0320 FT
ENERGY & CAP SURCHG	25.0000 LOT	362.02
		25.00
2 ALUMINUM FLAT BAR 6061-T6511	3 PCS	16 LBS
.375" x 1.00" X 144.0000"		36 FT
MATERIAL	36 FT @	3.9800 FT
		143.28
3 ALUMINUM FLAT BAR 6061-T6511	2 PCS	5 LBS
.125" x .750" X 240.0000"		
MATERIAL	25.0000 LOT	25.00
4 ALUMINUM FLAT BAR 6061-T6511	3 PCS	108 LBS
1.250" x 2.00" X 144.0000"		36 FT
MATERIAL	36 FT @	6.5283 FT
		235.02
5 ALUMINUM FLAT BAR 6061-T6511	1 PCS	101 LBS
2.00" x 3.50" X 144.0000"		12 FT
MATERIAL	12 FT @	18.2917 FT
		219.50
6 STAINLESS STEEL ROUND BAR 17-4 PH	2 PCS	36 LBS
.750" DIA X 144.0000"		24 FT
MATERIAL	24 FT @	6.1500 FT
		147.60
7 ALUMINUM SHEET 5052-H32	2 PCS	46 LBS
.0510 Nom X 48.0000" X 96.0000"		
MATERIAL	2 PCS @	48.5000 EA
		97.00
8 ALUMINUM SHEET 5052-H32	1 PCS	41 LBS
.0910 Nom X 48.0000" X 96.0000"		
MATERIAL	1 PCS @	86.1000 EA
		86.10

\*\*\*\*\*ADD ON TO 360248 SHIP TOGETHER\*\*\*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

17Aug11 10:40      S A L E S   A C K N O W L E D G M E N T      No: PEC ST-360251  
 Sold By:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 9057389033

Sold To:    ( 20115)  
 DART AEROSPACE

Ship To:    ( 1)  
 DART AEROSPACE

=====

S A L E S   A C K N O W L E D G M E N T      SO No PEC ST-360251

Test Certs: Chem Y Phys Y    1 Original copies with Shipment, 1 with Invoice  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

\*\* CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM \*\*

\*\*\* TEL. 800-926-2600 \*\*\*

\*\*\*\*\*

\*            WE STOCK STAINLESS STEEL!!!!            \*

\*        PLEASE LET US QUOTE YOUR NEXT REQUIREMENT        \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*

Order Totals:                      8 Items                      523 LBS

\*\*\*\*\*

Material	Processing	Freight	Other	Taxes	ORDER AMT
1,315.52			25.00	174.27	1,514.79

\*\*\*\*\*

Taxes: ONHSTS            174.27

## B I L L O F L A D I N G

No: PEC 725323

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 9057389033

Ship Date 19Aug11 at 14:14 From PFW  
Probill  
Via O/T  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 3 BDLS , 1 SKID G.W 685 LBS

ITEM (1) BDL

ITEM (2,4,5,6) BDL

ITEM (3) BDL

ITEM (7-8) SKID

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 3 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM BIL BAR ECONOPIT 6061-T6511  
500" X 12.00" X 144.5000"  
PART NO.

PO/Rel 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PHC 75393-001

19 Aug 11  
Pg 1/2

# sapa:

Sapa Industrial Extrusions  
53 POTTSVILLE STREET  
CRESSONA, PA  
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

THYSSENKRUPP MATERIALS NA INC  
2821 LANGSTAFF ROAD  
ATTN: ACCOUNT PAYABLE

CONCORD, ON - L4K 5C6

Ship To Customer  
THYSSENKRUPP MATERIALS NA INC  
2821 LANGSTAFF ROAD

CONCORD, ON - L4K 5C6

## Certified Inspection Report

Sales Order Number 1100346752	Line No. 2	Customer P/O PHC-231166-2	Cert Number SAP4416213	Page 1 of 2
			Cert Creation Date 07-JUL-11	Cert Print Date 07-JUL-11

Quantity Shipped	Date Shipped	Item Description	Specification
1868 LB	07 JUL-11	Item Description Extended ECON-O- PLATE U 500 TK x 12.000 W SUCT 505026 144.500 IN LN FIN M-MILL W/F 7.056 T 3 CS 12 6061/T6511 Marking CONTINUOUS.	ASTM B221 REV 08 AMS-QQ-A-200/8 REV ASM B221 REV 09
B/L	Item No.	Item No. Res	
241481	G03954975		
Delivery Id			
4224906			
Customer Part No.			
5X12			

Applicable Specifications, Revisions and Exceptions  
COMPOSITION NOTE: The values for Others Each and Others Total have met the limits as shown on this certified inspection report. Remainder is Aluminum.

**Legal Statement**  
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title  
*Dave A Lukask*  
Dave A Lukask  
Tech/Quality Manager  
07-11-11

### Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight
G12-PKG1483077	20812436	11	PCS	Gross 940 Net 934
G12-PKG1483078	20812436	11	PCS	Gross 940 Net 934

### Composition Limits

Alloy	Si	Mn	Pb	Fe	Cu	Mg	Al	Cr	Zn
6061	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.35

# THYSSENKRUPP MATERIALS NA

**DART AEROSPACE**  
 ALUMINUM RT BAY ECONOHT 6061-T6511  
 300" X 12.00" X 144.50000  
 PART NO.

PO/Rel 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PHC-725323-001

19Aug11  
 Pg 2/2

Signed by:

**sapa:**

Sapa Industrial Extrusions  
 31 POTTSVILLE STREET  
 CRESSONA, PA  
 17929-0187

### Certified Inspection Report

Sales Order Number	1100345732	Line No.	2	Customer P/O	PHC-231166-2	Cert Number	SAP A416213	Page	2 of 2
						Cert Creation Date	07-JUL-11	Cert Print Date	07-JUL-11

Alloy	Ti		Bi		Pb		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	---	0.15	---	0.05	---	0.05	---	0.05	---	0.15

#### Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb	Others Each	Others Total
5026476-US	0.64	0.24	0.23	0.03	0.92	0.04	0.03	0.02				
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb	Others Each	Others Total
5026478-US	0.69	0.27	0.22	0.05	0.94	0.06	0.03	0.02				

#### Mechanical Property - Test Limits

Test Temp	Lot Number	# of Tests	UTS - L		TYS - L		El. 4D-Long	
			MIN VALUE	MAX VALUE	MIN VALUE	MAX VALUE	MIN VALUE	MAX VALUE
TK511	20812436	1	44.3	44.3	41.0	41.0	18.2	18.2

#### Cart Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.  
 Yield strength has been determined by the 0.2% offset method.  
 All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6262 alloy.  
 In accordance with EN 10204, Test Report Type 2.2 and Certificate Type 3.1  
 Melted in the USA or Other Qualified Countries as Defined by DPAHS 225.872.1  
 Made in USA

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

PART NO.

PO/Ref: 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC 725323-002

19Aug11

Signed by:



Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
14020 S. COIL PLUS DR UNIT 100  
PLAINFIELD, IL 60544

### CERTIFIED TEST REPORT

<http://Certs.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-231374-5		CUSTOMER PART NUMBER: 019884-6		PRODUCT DESCRIPTION: .375 X 1.000 SC RECT BAR	
KAISER ORDER NUMBER: 9085852	LINE ITEM: 005	SHIP DATE: 07/11/2011	KAISER LOT NUMBER: HK067 780	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 192.000 PCS	B/L NUMBER: 966945	DIAM/DIAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF RAOD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF RAOD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong in 2	HARDNESS	CONDUCT.	BEND
XTR104883	00C1	0001	48.1	42.6	21.3	RE 96	N/A	N/A
XTR104883	00C1	0002	47.0	41.8	20.7	RE 95	N/A	N/A
XTR104883	00C1	0003	48.2	42.8	20.7	RE 95	N/A	N/A
XTR104883	00C1	0004	47.3	42.2	21.3	RE 96	N/A	N/A
XTR104883	00C1	0005	48.1	42.6	21.7	RE 96	N/A	N/A
XTR104883	00C1	0006	48.0	42.2	21.8	RE 96	N/A	N/A
XTR104883	00C1	0007	47.4	42.0	20.8	RE 96	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40		0.15		0.8	0.04			NA	NA	NA		

### Applicable Requirements:

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

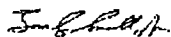
### Miscellaneous Notes

MANUFACTURED IN USA (LOS ANGELES,CA) MELTED IN USA

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Tom G. Small, Jr., QA Manager



Plant Serial: 00348343

Kaiser Order Number: 9085852

Page 1 of 1

Line Item: 005

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

125" x 750" X 240.0000"

PART NO.

PO/Ref: 14690

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC 725923-003

19 Aug 11

Signed by:

Pg 1/1

Att:

### CAN ART

ALUMINUM EXTRUSION INC.

## Material Test Report

### Customer Ship To:

ThyssenKrupp Materials NA

2821 Langstaff Road

Concord

ON L4K 5C6

Our Order: 369346 - 5

Your PO # PEC-221485

Part # 05485-000-240

Die: ES05485

Description: .125 x .750

Alloy Temper 6061 T6511

Print Date: 5/17/2010

### Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

### Mechanical Properties

#### Strength ksi

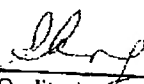
Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)	Skid #
210495	5/14/10	10041251A	43.97	36.41	11.1	5126115

Applicable Specifications: ASTM B221-06 ASTM B308 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Jason Carlson - Tensile Testing

Authorized

  
Evan Eng, Quality Assurance Mgr.

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.000" X 144.0000"

PART NO.

PO/Rel 14690

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-725321-004

19 Aug 11

Signed by:

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

### CERTIFIED TEST REPORT

<http://Certs.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
14020 S. COIL PLUS DR UNIT 100  
PLAINFIELD, IL 60544

CUSTOMER PO NUMBER: PEC-231385-9		CUSTOMER PART NUMBER: 020354-7		PRODUCT DESCRIPTION: 1.250 X 2.000 SC RECT BAR	
KAISER ORDER NUMBER: 9085863	LINE ITEM: 009	SHIP DATE: 08/02/2011	KAISER LOT NUMBER: HK115 275	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1058.000 LB	QUANTITY: 30.000 PCS	B/L NUMBER: 967374	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong in 2	HARDNESS	CONDUCT.	BEND
XTR108599	0001	1	50.0	44.9	14.2	RE 95	N/A	N/A
XTR108599	0001	2	52.2	46.3	13.7	RE 95	N/A	N/A
XTR108599	0001	3	47.8	42.6	11.8	RE 95	N/A	N/A
XTR108599	0001	4	50.0	44.1	17.9	RE 95	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40		0.15		0.8	0.04			NA	NA	NA		

### Applicable Requirements:

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Tom G. Small, Jr., QA Manager

*TGS*

Plant Serial: 00351579

Kaiser Order Number: 9085863

Page 1 of 1

Line Item: 009



# THYSSENKRUPP MATERIALS NA

ALUMINUM PLATE BAR 6061-T6511  
2.00" X 3.50" X 144.0000  
PART NO

PO/REL 14600

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by

Certificate of Mill Test Results  
19 Aug 11  
Pg 1/1



**SERVICE CENTER METALS**  
5850 Quality Way  
Prince George, VA 23875

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
133264	4

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	137908	RB0148	8/11/2011	ASTM-B221-08 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY/TEMPER	SALESPERSON	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-232091	6061-T6511	David Schroeder	AMS-QQA-200/8
Quantity Certified	1,296 lbs	CUSTOMER PART NUMBER	DESCRIPTION	
	13 pcs	RB0148	SCRB 2.000x3.500	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

### Mechanical Properties

Test No.	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201112308	08/07/11	49.3	46.4	13.3

### Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Melted In
C29J0985	6061	0.74	0.39	0.33	0.09	0.88	0.09	0.01	0.02	United States of America

Rev 8/26/07 - UMS

Print Date: 8/11/2011

Calvin J. Wiggins, Director of Quality & Technical Services

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 PH

750" DIA X 144.0000"

PART NO.

PO/Ref 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PDC 725323-006

19Aug11

Signed by:

Pg 1/2

### CERTIFICATE OF TESTS

CERT SERIAL# .000742211



**TALLEY METALS**  
A Carpenter Company

Talley Metals Technology, Inc.

205 Talley Metals Lane

McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

10/25/10

CUSTOMER/BESTELLER/CLIENT

### ABNAHMEPRUEFZEUGNIS

### CERTIFICAT DE CONTROLE

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, 18 U.S.C. CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

SELLER/VERKAUFER/VENDEUR PAGE 1 OF 2

THYSSENKRUPP MAT'LS. CA LTD  
PECKOVER'S  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO  
L4K 5C6, CANADA

TALLEY METALS TECH, INC.  
ACCOUNTS PAYABLE  
P. O. BOX 2498  
HARTSVILLE, SC 29551

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GLWICHT/POIDS
PEC-224550-001	TLY581501 L10027	10/25/10	1113.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 153369

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD FINISH

SPECIFICATION: TALLEY 17-4T3A CAP OF H900

AMS 2303 REV E (10/ /01)  
AMS 2315 REV F (01/ /08)  
AMS 5643 REV R (02/ /08) UNS S17400  
ASTM-A484-09  
ASTM-A564-04 (2009)  
ASME-SA564 2007 EDITION-09B ADDENDA AISI 630

SIZE 0.750000 IN. ( 19.05 MM) RD BAR

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.028	0.86	0.41	0.020	0.024	15.21
NI (XRF)	MO (XRF)	CU (XRF)	N (FUS)	CB (XRF)	TA (XRF)
4.28	0.16	3.62	0.026	0.24	LT .02

CB+TA  
0.26

THIS HEAT MELTED BY THE ARC/AOD PROCESSES

THIS MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS

OPERATIONS QUALITY PROGRAM MANUAL REVISION 28, DATED 03/31/10.

MILL HEAT TREATMENT:

TYPE SOL ANL  
TEMP 1900F ( 1037C)  
TIME (BATCH FURNACE) 1.30 HOURS  
QUENCH WATER

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW - 304 (MIDRADIUS)

MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0  
\*\*\* UNKNOWN

MICROSTRUCTURE - FERRITE - NONE

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.  
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.  
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 PH

750" DIA X 144.0000"

PART NO.

PO/Ref: 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PBC 725923-006

19Aug11

Signed by:

Pg 2/2

### CERTIFICATE OF TESTS

CERT SERIAL# 000742211



**TALLEY METALS**  
A Carpenter Company

Talley Metals Technology, Inc.

205 Talley Metals Lane

McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

10/25/10

CUSTOMER/BESTELLER/CLIENT

### ABNAHMEPRUEFZEUGNIS

### CERTIFICAT DE CONTROLE

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADILM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

THYSSENKRUPP MAT'LS. CA LTD  
PECKOVER'S  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO  
L4K 5C6 , CANADA

TALLEY METALS TECH, INC.

ACCOUNTS PAYABLE  
P. O. BOX 2498  
HARTSVILLE , SC 29551

SELLER/VERKÄUFER/VENDEUR/PAGE 2 OF 2

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATF	WEIGHT/GEWICHT/POIDS
PEC-224550-001	TLY581501 L10027	10/25/10	1113.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :  
CAPABILITY

153369

900 F ( 482 C ) , 01 HR

AIR COOL

YIELD STRENGTH, (0.20 %) KSI (MPa) 204.0 ( 1407 )  
TENSILE STRENGTH, KSI (MPa) 208.0 ( 1434 )  
ELONGATION IN 1.40", % 12.0  
REDUCTION OF AREA, % 51.0  
HARDNESS , HBW 411.0

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED  
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.  
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.  
WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM  
QUALITY ASSURANCE ENGINEER  
CARPENTER TECHNOLOGY CORPORATION

*Stephanie E. McCullum*

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.  
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.  
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce document. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

FORM 172-366

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32

0.510 Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC 725323-007

19Aug11

Signed by:

Pg 1/2

## OLBERT METAL SALES LIMITED

THYSSENKRUPP MATERIALS NA

PO/Rel PEC-218658

ALUMINUM SHEET - 5052 H32 MILL FINISH  
0.50 NOM X 48.0000" X 96.0000"

PART NO.

## Certificate of Mill Test Results

BL TO -006801-002

7May1

Pg 1/2

### HENAN MINGTAI AL INDUSTRIAL CO., LTD

HUIGUO ZHEN, GONGYI, HENAN, CHINA 451283

TEL: 371-87898611 FAX: 371-87898612

### MILL TEST CERTIFICATE

TO:

OLBERT METAL SALES LIMITED

989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,  
ONTARIO CANADA L5T 2J8

INVOICE NO.: OMTR9121

CONTRACT NO: JM42

LOADING PORT: TIANJIN, CHINA

DESTINATION: TORONTO, CANADA

SHIPPING MARKS: N/M

DATE: DEC. 11, 2009

#### DESCRIPTION OF GOODS:

ALUMINUM ALLOY 3003-H14 SHEETS CERTIFIED TO ASTM B209, AMS 4008H AND  
AA SPECS. AND ALLOY 5052-H32 SHEETS CERTIFIED TO ASTM B209, AMS 4016K  
AND AA SPECS. ALUMINUM ALLOY 3003 H22 BRIGHT TREAD PLATES WITH  
DIAMOND PATTERN TO ASTM B632 AND AA SPECS. REFERENCE  
1583, 1595, 1596, 1598, 1602, 1603 CIF TORONTO ONTARIO, CANADA.

CHEMICAL COMPOSITION Unit: %											
Heat No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	AI
D091182	5052	0.104	0.368	0.021	0.082	2.354	0.197	<0.001	0.021	0.15	REMAINDER
D091181	5052	0.102	0.343	0.016	0.058	2.398	0.193	<0.001	0.021	0.15	REMAINDER
D091114	5052	0.093	0.367	0.01	0.054	2.317	0.184	<0.001	0.02	0.15	REMAINDER
B-9111224	5052	0.147	0.347	0.0218	0.0898	2.30	0.238	0.0282	0.0188	0.15	REMAINDER
B-9111223	5052	0.103	0.312	0.014	0.041	2.967	0.200	0.009	0.016	0.15	REMAINDER
B-9111222	5052	0.084	0.273	0.010	0.030	2.277	0.182	0.009	0.018	0.15	REMAINDER
B-9111171	5052	0.080	0.348	0.012	0.047	2.382	0.223	0.009	0.017	0.15	REMAINDER
B-9111125	5052	0.108	0.357	0.021	0.047	2.419	0.208	0.009	0.013	0.15	REMAINDER
B-9111124	5052	0.085	0.330	0.011	0.046	2.372	0.190	0.009	0.018	0.15	REMAINDER
B-9111122	5052	0.088	0.320	0.014	0.046	2.370	0.201	0.007	0.018	0.15	REMAINDER
B-9091138	5052	0.082	0.350	0.011	0.064	2.901	0.214	0.008	0.013	0.15	REMAINDER
B-9091135	5052	0.086	0.320	0.014	0.046	2.370	0.201	0.007	0.018	0.15	REMAINDER
D091139	3003	0.134	0.414	0.0744	1.09	<0.0050	/	0.0109	0.0356	0.15	REMAINDER
D091132	3003	0.117	0.420	0.0728	1.11	<0.0050	/	0.0110	0.0357	0.15	REMAINDER
D091131	3003	0.116	0.408	0.0808	1.09	<0.0050	/	0.0092	0.0343	0.15	REMAINDER
RB-1731-1	3003	0.158	0.429	0.0738	1.08	<0.0050	/	0.0102	0.0311	0.15	REMAINDER
B-9111215	3003	0.110	0.415	0.0759	1.14	0.0084	/	0.0104	0.0364	0.15	REMAINDER
B-9111047	3003	0.178	0.429	0.0898	1.08	<0.0050	/	0.0102	0.0350	0.15	REMAINDER
B-9111046	3003	0.104	0.417	0.0722	1.09	<0.0050	/	0.0099	0.0338	0.15	REMAINDER
B-9111045	3003	0.0625	0.408	0.0708	1.10	<0.0050	/	0.0102	0.0382	0.15	REMAINDER
B-9111044	3003	0.109	0.437	0.0787	1.09	0.0095	/	0.0106	0.0344	0.15	REMAINDER
B-9111043	3003	0.106	0.417	0.0728	1.05	0.0108	/	0.0095	0.0354	0.15	REMAINDER
B-9091148	3003	0.148	0.428	0.0781	1.10	0.0062	/	0.0095	0.0322	0.15	REMAINDER
B-9111049	3003	0.158	0.438	0.0710	1.11	<0.0050	/	0.0100	0.0322	0.15	REMAINDER
A-9117689	3083	0.174	0.444	0.0816	1.14	<0.0050	/	0.0088	0.0308	0.15	REMAINDER
74981	3003	0.265	0.544	0.080	1.021	0.038	/	0.048	0.028	0.15	REMAINDER
75201	3003	0.335	0.561	0.067	1.085	0.037	/	0.023	0.032	0.15	REMAINDER
75241	3003	0.314	0.579	0.068	1.081	0.028	/	0.048	0.029	0.15	REMAINDER

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32  
 .0510 Nom X 48.0000" X 96.0000"  
 PART NO.

PO/Rd 14690

We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-725323-007

19Aug11

Signed by:

Pg 2/2

# OLBERT METAL SALES LIMITED

ALUMINUM SHEET - 5052 H32 MILL FINISH  
 .050 NOM X 48.0000" X 96.0000"  
 PART NO.

PO/Rd PEC-218658

## Certificate of Mill Test Results

BL TO-006801-002

7May1

Pg 2/2

75251	3003	0.208	0.545	0.062	1.045	0.021	/	0.021	0.020	0.15	REMAINDER
75831	3003	0.382	0.518	0.089	1.038	0.032	/	0.026	0.031	0.15	REMAINDER
77741	3003	0.344	0.507	0.066	1.024	0.045	/	0.043	0.027	0.15	REMAINDER
MECHANICAL PROPERTY											
Heat No.	Alloy	Temper	Specs(in)	Tensile strength (Mpa/ ksi)		Elong %					
D081162	5052	H32	.25x48x96	231	34	13					
D081162	5052	H32	.25x48x120	231	34	14					
D081181	5052	H32	.188x48x96	230	33	12					
D081181	5052	H32	.188x48x120	230	33	12					
D081114	5052	H32	.25x48x120	230	33	11					
B-9111224	5052	H32	.125x80x120	226	33	14					
B-9111223	5052	H32	.081x48x120	225	35	14					
B-9111222	5052	H32	.081x48x96	231	34	13					
B-9111171	5052	H32	.091x48x96	230	33	14					
B-9111171	5052	H32	.091x48x120	230	33	14					
B-9111125	5052	H32	.125x48x120	232	34	14					
B-9111124	5052	H32	.125x48x96	229	33	15					
B-9111122	5052	H32	.084x48x96	228	33	14					
B-9111122	5052	H32	.084x48x120	229	33	14					
B-9091135	5052	H32	.125x48x96	228	33	14					
B-9091133	5052	H32	.05x48x96	228	33	16					
D091133	3003	H14	.188x48x120	164	24	15					
D091132	3003	H14	.25x48x96	171	25	14					
D091132	3003	H14	.25x48x120	171	25	14					
D091131	3003	H14	.188x48x96	231	34	14					
D091131	3003	H14	.188x48x120	231	34	14					
R8-4731-1	3003	H14	.236x48x96	165	24	18					
B-9111215	3003	H14	.081x60x120	164	24	15					
B-9111047	3003	H14	.125x80x120	175	26	12					
B-9111046	3003	H14	.081x60x120	162	23	14					
B-9111045	3003	H14	.125x48x96	162	23	14					
B-9111044	3003	H14	.081x48x120	163	24	10					
B-9111043	3003	H14	.081x48x96	162	23	14					
B-9081140	3003	H14	.125x48x96	162	23	14					
B-9111049	3003	H14	.125x48x96	164	24	14					
B-9111048	3003	H14	.125x48x120	164	24	14					
A-9117690	3003	H14	.081x48x96	153	22	12					
74981	3003	H22	.188x60x120	127	18	15					
75201	3003	H22	.125x80x120	129	19	14					
75241	3003	H22	.063x48x120	136	20	12					
75251	3003	H22	.063x48x96	136	20	12					
75831	3003	H22	.188x48x96	127	18	14					
77741	3003	H22	.188x60x120	123	18	15					

PRODUCER: HENAN MINGTAI AL. INDUSTRIAL CO., LTD

HENAN MINGTAI AL. INDUSTRIAL CO., LTD  
 河南明泰铝业股份有限公司

代印

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32

.0910 Nom X 48.0000" X 96.0000"

PART NO.

PO/Ref: 14690

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PBC 725323-008

19 Aug 11

Signed by:

*Tracy*

Pg 1/1

MILL TEST CERTIFICATE	No: 6172	CERTIFIED SRAC-IQNet	vimetco SLATINA
	Date: 6/16/2010	ISO 9001/2001 No. 10/4-2008	

CUSTOMER : OLBERT METAL SALES LIMITED

CONTRACT/ORDER : 1642

BILL OF DELIVERY : 80071497

TRUCK/CONTAINER : HLXU 4272210

SHIPMENT OF 41,914.319 LBS ALUMINUM COILS MILL FINISH IN ALLOY 5052 H32, ACCORDING TO ASTM B-209-07, AMS-QQ-A-250/8B; ANSI H35.2-2009, FROM CONSTANTA ROMANIA TO TORONTO, CANADA CIF TORONTO CANADA

MATERIAL : ALUMINUM COILS

ALLOY : 5052

DIMENSIONS (mm)

: 80009694 . . . 0.091" THX 48.00" WD

: 80009350 . . . 0.091" THX 48.00" WD

: 80009351 . . . 0.064" THX 48.00" WD

TEMPER: H32

ACCORDING TO : ASTM B-209; AMS QQA- 250/8B; ANSI H35.2

ACTUAL MECHANICAL PROPERTIES 1 MPa = 1 N/mm<sup>2</sup> = 0.145 ksi = 0.102 kgf/mm<sup>2</sup>

Specified values:			UTS		YTS		Elong. %	Hardness
			KSI		KSI		50mm	HB
			min.	max.	min.	max.	min.	min.
LOT / BATCH	CASE	NET WEIGHT lbs	31	38	23		7	
80009694	40398	7,888.146	32.9		24.3		17	
S10050440			32.8		24		17	
80009350	38582	8,258.523	33.6		26.4		18	
S10040359			33.2		26.1		14	
80009351	39570;39572	14,744.528	33.6		24.6		17	
S10050424			33.9		24.6		17	

### ACTUAL CHEMICAL ANALYSIS %

BATCH	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	REMARKS
S10050440	0.06	0.15	0.01	0.035	2.33	0.19	0.004	0.006	0.024	0.01	0.015 REM.
S10040359	0.057	0.13	0.008	0.03	2.37	0.23	0.003	0.016	0.028	0.011	0.014 REM.
S10050424	0.05	0.15	0.044	0.026	2.38	0.2	0.004	0.003	0.013	0.011	0.017 REM.
Min.											
Max.	0.25	0.4	0.1	0.1	2.2	0.15					REM.
Remarks:							Other- Each- Max.: 0.05		Others Total- Max.: 0.15		

### REMARKS:

BENDING TEST OF 90 DEGREES RADIUS : ACCEPTED

ACCORDING TO: ASTM B 209-2007; AMS-QQ-A-250/8B;2007; ANSI H35.2-2008

We hereby certify that the material detailed herein has been produced and tested according to the requirements of the relevant specification and/or order. Keep in dry conditions, without large temperatures variations. The differences between metal and air must be max 11 degrees C.

According to EN 10204:2004 3.1

### QUALITY CONTROL DEPT.

ALRO S.A. No.116, Pitești Street Phone: (+40) 0248 436 117; 0248 432 956 alro@alro.ro  
230048-Slatina-ROMANIA Fax: (+40) 0248 411 487; 0248 416 992 www.alro.ro

cod f1/PO-051/Rev.1/2008



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO14690

Purchase Order Date 8/16/2011

PO Print Date 8/16/2011

Page Number 1 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

M118641

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FAKED  
CZ 11/08/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M7075T6S.050	7075-T6 SHEET .050	8/24/2011 Yes	32.00 sf	Yours ppd	\$7.0312	\$225.00
		Special Inst:	MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209				
2	M6061T6B0.500X12.000 CZ 11/08/11	6061-T6 Bar .500 x 12.00	8/24/2011 Yes	24.00 f	Yours ppd	\$15.0320	\$360.77
		Special Inst:	MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR ASM-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221				
3	M6061T6B0.375X01.000 CZ 11/08/11	6061T6 BAR .375 x 1.00	8/24/2011 Yes	36.00 f	Yours ppd	\$0.9800	\$35.28

8/16/2011



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO14690

Purchase Order Date 8/16/2011

PO Print Date 8/16/2011

Page Number 2 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Special Inst: MATERIAL: 6061-  
T6/T651/T6510/T6511/T62  
ALUMINUM BAR AS PER  
QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR ASM-QQ-A-200/8  
OR AMS 4160 OR  
ASTM B211 OR ASTM B221

4	M6061T6B00750X00.125 ✓	6061-T6 Bar .750 x .125	8/24/2011	40.00	Yours ppd	\$0.6250	\$25.00
	CL11108119		Yes	f			

Special Inst: MATERIAL: 6061-  
T6/T651/T6510/T6511/T62  
ALUMINUM BAR AS PER  
QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR ASM-QQ-A-200/8  
OR AMS 4160 OR  
ASTM B211 OR ASTM B221

5	M6061T6B2.000X01.250 ✓	6061-T6 Bar 2.00 x 1.25	8/24/2011	36.00	Yours ppd	\$6.5283	\$235.02
	CL11108119		Yes	f			

Special Inst: MATERIAL: 6061-  
T6/T651/T6510/T6511/T62  
ALUMINUM BAR AS PER  
QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR ASM-QQ-A-200/8  
OR AMS 4160 OR  
ASTM B211 OR ASTM B221

6	M6061T6B2.000X03.500 ✓	6061-T6 Bar 2.00 x 3.50	8/24/2011	12.00	Yours ppd	\$18.2916	\$219.50
	CL11108119		Yes	f			

Special Inst: MATERIAL: 6061-

8/16/2011



## Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

## Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

## Buyer

Chantal Lavoie

## Requisition Nbr

Tax Resale Nbr 10127-2607

## Terms

Net 30

## Currency

CAD

## FOB

Destination-Collect

7	M174R0.750 <i>CL 11/08/19</i>	17-4 round bar .750	T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR ASM-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221	8/24/2011 Yes	24.00 f	Yours ppd	\$6.1500	\$147.60
		Special Inst:	MATERIAL: 17-4PH S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150KSI					
8	M5052H32S.040 <i>CL 11/08/19</i>	5052-H32 <i>0.040</i> Sheet		8/24/2011 Yes	64.00 sf	Yours ppd	\$1.5156	\$97.00
		Special Inst:	MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR AMS-QQ-A-250/8 OR ASTM 4016 OR ASTM B209					
9	M5052H32S.090 <i>CL 11/08/19</i>	5052-H32 .090 Sheet		8/24/2011 Yes	32.00 sf	Yours ppd	\$2.6906	\$86.10
		Special Inst:	MATERIAL: 5052-H32 ALUMINUM SHEET AS PER QQ-A-250/8 OR AMS-QQ-A-250/8 OR ASTM 4016					

8/16/2011

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO14690

Purchase Order Date 8/16/2011

PO Print Date 8/16/2011

Page Number 4 of 4

## Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

## Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

## Buyer

Chantal Lavoie

## Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

OR ASTM B209

PO Total:

\$1,431.26

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERYNo substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 2

Change Date: 8/16/2011